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## \*BIBDATASHEET\*

Bib Data Sheet

CONFIRMATION NO. 4718

SERIAL NUMBER 10/734,302	FILING DATE 12/15/2003  RULE	CLASS 360	GROUP ART UNIT 2653	ATTORNEY DOCKET NO. 500.30304C15
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## APPLICANTS

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## \*\* CONTINUING DATA \*\*\*\*\*

This application is a CON of 10/603,612 06/26/2003  
which is a CON of 10/404,452 04/02/2003  
which is a CON of 10/277,830 10/23/2002 PAT 6,590,726  
which is a CON of 09/809,047 03/16/2001 PAT 6,498,691  
which is a CON of 09/654,962 09/05/2000 PAT 6,324,025  
which is a CON of 09/567,005 05/09/2000 PAT 6,278,564  
which is a CON of 09/326,595 06/07/1999 PAT 6,069,757  
which is a CON of 09/188,303 11/10/1998 PAT 6,002,536  
which is a CON of 08/917,176 08/25/1997 PAT 5,862,004  
which is a CON of 08/620,879 03/22/1996 PAT 5,699,203  
which is a CON of 08/457,597 06/01/1995 PAT 5,530,598  
which is a CON of 08/457,486 06/01/1995 PAT 5,517,368  
which is a CON of 08/238,528 05/05/1994 PAT 5,671,095  
which is a DIV of 07/727,059 07/08/1991 PAT 5,337,199

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

JAPAN 02-177406 07/06/1990

JAPAN 02-190655 07/20/1990

JAPAN 02-250199 09/21/1990

IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 03/19/2004

Foreign Priority claimed

☒ yes ☐ no

35 USC 119 (a-d) conditions met

☒ yes ☐ no ☐ Met after Allowance

Verified and Acknowledged

Examiner's Signature

Initials

STATE OR

COUNTRY  
JAPAN

SHEETS

DRAWING  
18

TOTAL

CLAIMS  
4

INDEPENDENT

CLAIMS  
1

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